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PTO/SB/05 (08-03)

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UTILITY PATENT APPLICATION **TRANSMITTAL**

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attomey Docket No.	BP2784
First Inventor	Alan Y. Kwentus
Title	Communications signal transcoder
Express Mail Label No.	EV 082608855 US

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See MPEP ch		ION ELEMENTS ming utility patent application contents.	ADDRESS TO: Commission P.O. Box	p Patent Application sioner for Patents c 1450 rla VA 22313-1450
2. Applicar See 37 3. Specific (preferrer - Descrip - Cross F - Statem - Referer or a cor - Backgn - Brief St - Brief St	an original and a count claims small CFR 1.27. cation and arrangement septive title of the invertee to Relation Reference to Relations.	[Total Pages 55] Interpretation Total Pages 55 Tota	ii. Paper	nendix) d Sequence Submission de Form (CRF) dence Listing on: CD-R (2 copies); or
- Claim(s	s)		ACCOMPANYING A	APPLICATION PARTS
- Abstract 4.	ct of the Disclosur g(s) (35 U.S.C. aration why executed (orion y from a prior al continuation/div DELETION OF Bigned statement al ame in the prior al 1.63(d)(2) and 1.33 cation Data She	[Total Sheets 12] [Total Sheets 3] riginal or copy) application (37 CFR 1.63(d)) visional with Box 18 completed) INVENTOR(S) attached deleting inventor(s) application, see 37 CFR 3(b). aet. See 37 CFR 1.76 ATION, check appropriate box, and sup	9. Assignment Papers (cc 10. 37 CFR 3.73(b) Statem (when there is an assig English Translation Do 12. Information Disclosure Statement (IDS)/PTO-1 13. Preliminary Amendmer 14. Return Receipt Postcar (Should be specifically 15. Certified Copy of Priori (if foreign priority is clar Nonpublication Reques (b)(2)(B)(i). Applicant m or its equivalent. 17. Other: 1. Letter of Authoriz 2. PTO-2038 Forms Oply the requisite information below a	over sheet & document(s)) nent Power of gnee) Attorney icument (if applicable) 1449 Citations int ird (MPEP 503) itemized) ity Document(s) imed) st under 35 U.S.C. 122 must attach form PTO/SB/35 ration s for \$2678 and \$40
specification follo	owing the title, o	or in an Application Data Sheet under 3	7 CFR 1.76:	na m mo mon ochronos s. s
P===4	-			
Continu	uation p	Divisional Continua	ation-in-part (CIP) of prior applicat	tion No.:
5b, is considered	ON OF DIVISION	Examiner AL APPS only; The entire disclosure of the closure of the accompanying continuation ied upon when a portion has been inadver	n or divisional application and is hereby tently omitted from the submitted appli	v incorporated by reference
		19. CORRESPON	DENCE ADDRESS	
Custome	er Number:	34399	OR Corre	espondence address below
Name (Garlick Harris	on & Markison LLP		
Address	P.O. Box 160	**		
0'4	Austin	E.A. OHOR, I H.D.	State Texas	Zip Code 79716 0727
· · · · · · · · · · · · · · · · · · ·	USA	<u> </u>	elephone (512) 825-1145	Fax (512) 394-0054
Name (Print/Type			(0.12) 020 1110	(512) 394-0034
Signature	Snayrie A	(. Short, Ph.D.	Registration No. (Attorney/Agent)	45,105
Signature		Slow		Date 12/15/2003

This collection of information is required by 37 CFR 1.53(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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	1005 no	U.S. Patent and Trademark Office: U.S. DEPART	
	_	Complete if Known	
FEE TRANSMITTA	L	Application Number	
for FY 2001		Filing Date	
101 F 1 200 I		First Named Inventor Alan Y. Kwentus, Ph.D.	
Patent fees are subject to annual revision.		Examiner Name	-
		Group Art Unit	
TOTAL AMOUNT OF PAYMENT (\$) \$2718.00		Atty Docket No. BP2784	
METHOD OF PAYMENT		FEE CALCULATION (cont	inued)
The Commissioner is hereby authorized to charge	一:	3 ADDITIONAL FEES	
indicated fees and credit any overpayments to:		Fee Description	
Deposit Account		Surcharge-late filing fee or oath	
Number		Surcharge- late provisional filing fee or or cover sheet	
Deposit Account		Non-english specifications	
Name		For filing a request for ex parte reexamination	
Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17		Requesting publication of SIR prior to Examiner action	
Applicant claims small entitty status. See 37 CFR 1.27		Requesting publication of SIR after Examiner action	
2. X Payment Enclosed:			
Check X Credit card Money Other		Extension for reply within first month	
FEE CALCULATION		Extension for reply within second month Extension for reply within third month	
1. BASIC FILING FEE		Extension for reply within fourth month	
Fee Description Utility filing fee Fee Paid 770.00		Extension for reply within fifth month	
Design filing fee		Notice of Appeal	
Plant filing fee		Filing a brief in support of appeal	
Reissue filing fee Provisional filing fee		Request for oral hearing Petition to institute a public use proceeding	
<u> </u>	, I	Petition to revive - unavoidable	
SUBTOTAL(1) (\$) \$770.00		Petition to revive unintentional	
2. EXTRA CLAIM FEES Fee From Below		Utility Issue Fee (or reissue)	
Extra Claims Fee Paid	,	Design Issue Fee	
Total Claims $\begin{bmatrix} 83 \\ \end{bmatrix}$ -20** $\begin{bmatrix} 63 \\ \end{bmatrix}$ X $\begin{bmatrix} 18 \\ \end{bmatrix}$ = $\begin{bmatrix} 1134.00 \\ \end{bmatrix}$		Plant Issue Fee	
Independent Claims 12 -3** 9 X 86 = 774.00		Petitions to the Commissioner	
Multiple Dependent =	\	Processing fee under 37 CFR 1.17(q)	
Fee Description	ا ا	Submissions of Information Disclosure Stmt Recording each patent assignment per	
Claims in excess of 20		property (times number of properties)	\$40.00
Independent claims in excess of 3 **Reissue independent claims over original patent		Filing a submission after final rejection (37 CFR 1.129(a))	•
**Reissue claims in excess of 20 and over original patent		For each addtional invention to be examined (37 CFR 1.129(b))	
SUBTOTAL (2) (\$) 1908.00		Request for Continued Examination (RCE)	
SUBTOTAL (2) (\$) 1908.00		Request for expedited Examination of design applicat Other fee (specify)	
**or number previously paid, if greater, For Reissues, see above		Reduced by Basic Filing Fee Paid SUBTOTAL (3)	\$40.00

SUBMITTED BY				C	Complete (if applicable)	
Name (Print Type)	Shayne X. Short, Ph.D.	Registration No. (Attorney Agent)	45,105	Telephone	(512) 825-1145	
Signature	S(Sh	J.		Date	12-15-03	



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May 20, 2003

To whom it may concern:

I, Henry Samueli, hereby authorize Dee Henderson, Intellectual Property Portfolio Manager, to execute documents relating to US and foreign patent and trademark matters on behalf of Broadcom Corporation and/or its subsidiaries.

Henry Samueli, Ph.D.

Chief Technical Officer and Co-Chairman

Certificate Under 37 CFR 3.73(b)

Applicants:

Alan Y. Kwentus, Ph.D.

Charles Alan Brooks

Steven Jaffe

Stephen Edward Krafft

Entitled: COMMUNICATIONS SIGNAL TRANSCODER

Application	No.	Filing Date:
Broad	dcom Corporation	a, California Corporation
	Name of Assignee)	(Type of Assignee)
	s: signee of the entire right, title, and interest; or ignee of an undivided part interest	
n the patent ar	oplication/patent identified above by virtue of e	ither:
was re	ssignment for the inventor(s) of the patent apple ecorded in the Patent and Trademark Office at thereof is attached.	ication/patent identified above. The assignment Reel, Frame, or for which a
OR		
	in of title for the inventor(s) of the patent appli see as shown below:	cation/patent identified above to the current
1.	From To:	
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	Reel, Frame, or for which	a copy thereof is attached.
	Additional documents in the chain of title are	e listed on a supplemental sheet.
X Copie:	s of assignments or other documents in the cha	
<u> </u>		ssignment document or a true copy of the original t Division in accordance with 37 CFR Part 3, if rds of the PTO. See MPEP 302-302.8]
The undersigne	ed (whose title is supplied below) is empowere	d to act on behalf of the assignee.
Date:	12-15-2003	
Name:	Dee Henderson	
	Manager, Intellectual Property Po	rtfolio
Γitle:		
Signature:	Hendr	